

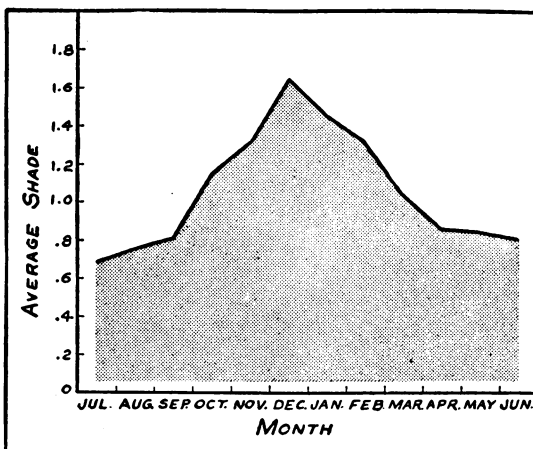
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FEBRUARY 1940 • BULLETIN OF
THE NEW YORK ACADEMY OF MEDICINE

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WEATHER FORECAST— HEAVY SMOKEFALL

SMOKE exerts a definite influence on the weather at this season by reducing the amount of sunlight. Beginning in September there is a steady rise in atmospheric pollution until in December it becomes double that of midsummer, according to a recent report of a two-year study made by the U. S. Public Health Service in ten of the largest American cities, representing a population of millions. One of the most surprising findings was that there is no decrease in the dust content of the air either during or after a rain.



Average atmospheric pollution in 10 large American cities, 1931-1933. It is probable that conditions are similar in many smaller cities especially where soft coal is used and wind velocity is low.

Winter Sunlight an Unreliable Antiricketic

Atmospheric pollution is but one of many forces militating against the therapeutic effects of ultraviolet rays in winter. Others, to name only a few, are cloudiness, precipitation, and clothing. In winter, moreover, it is often impracticable to give sunbaths to infants during the very time they are most susceptible to rickets—the first six months of life.

Dependable the Year 'Round OLEUM PERCOMORPHUM

The physician can dispel uncertainty in the treatment of rickets simply by prescribing a few drops of Oleum Percomorphum daily. Each gram supplies not less than 60,000 vitamin A units and 8,500 D units (U.S.P.). This maximum vitamin potency in minimum bulk gives Oleum Percomorphum outstanding usefulness for young and premature infants. Constant bioassay and special processing of this antiricketic assure the stated vitamin potency and low percentage of fatty acids. Supplied in 10 and 50 c.c. bottles and 10-drop capsules in boxes of 25 and 100.

MEAD JOHNSON & COMPANY, Evansville, Indiana, U.S.A.

Please enclose professional card when requesting samples of Mead Johnson products to cooperate in preventing their reaching unauthorized persons.

*Convenient and dependable
in the prophylaxis of measles—*

IMMUNE GLOBULIN (Human)

Lederle

CONCERN over the complications of measles may be greatly lessened by the use of Immune Globulin (Human). When the complications of this disease, especially bronchopneumonia, are removed, measles is reduced to the level of a mildly inconvenient episode in the child's life. A single injection of Immune Globulin will generally produce a modified measles which is not apt to be followed by complications. The injection should be given a few days after intimate exposure to the infection.

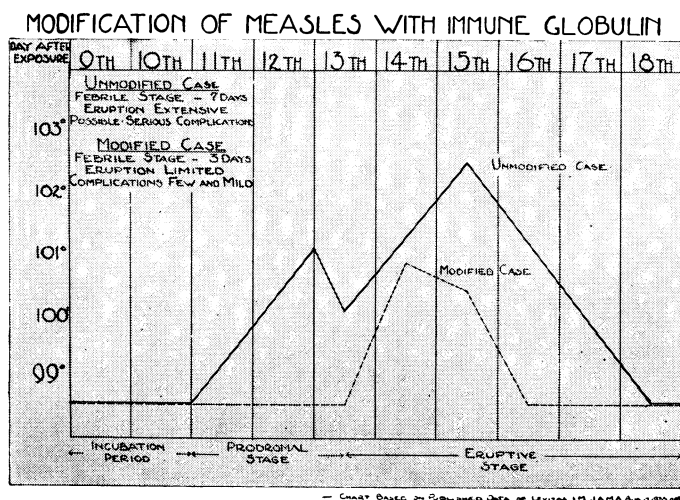
For a child of two years or less, inject 2 cc.; for older children add 0.25 cc. for each year above the age of three to a maximum of 4 cc.

Local or febrile reactions are negligible.

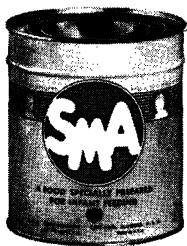
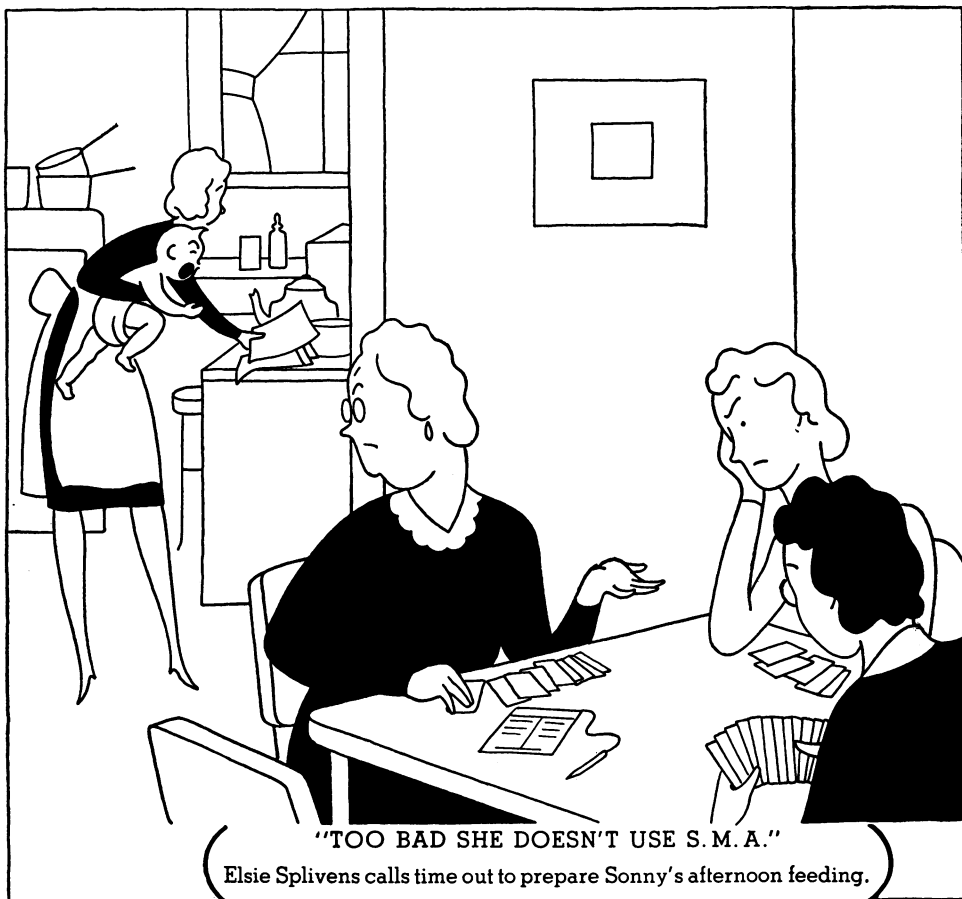
"Immune Globulin (Human) Lederle" is distributed in 2 cc. and 10 cc. vials.

Information on Request

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30 ROCKEFELLER PLAZA NEW YORK, N. Y.



CALORIE COMPUTATIONS



S. M. A. is easy to prepare. Simply dilute according to directions (furnished to physicians), adjust to proper temperature and feed.

It is not necessary to modify S. M. A. for the same reason that it is unnecessary to modify breast milk.

S. M. A. is economical and easy to prepare.

NORMAL INFANTS RELISH S. M. A. — DIGEST IT EASILY AND THRIVE ON IT

S. M. A. is a food for infants—derived from tuberculin-tested cow's milk, the fat of which is replaced by animal and vegetable fats including biologically tested cod liver oil; with the addition of milk sugar and potassium chloride;



altogether forming an antirachitic food. When diluted according to directions, it is essentially similar to human milk in percentages of protein, fat, carbohydrate and ash, in chemical constants of the fat and in physical properties.

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"Exclusive of purely laboratory products there may be only two varieties of vitamin D, one of animal origin and one of vegetable origin. All animal sources may have a vitamin D of the same value. The same is true for all vegetable sources. Vitamin D of animal source appears to be more potent for the human being than vitamin D of vegetable source. The degree of superiority is not entirely established, but on the basis of evidence available, it may be in the ratio of 1.5:1 when vitamin D milks are compared."

—P. C. Jeans, in the Journal A.M.A.

★ We wish to emphasize that the vitamin D of Sheffield Vitamin D Milk is the vitamin D of cod liver oil (animal source).

FREE BOOK!

Write for a complete Digest of Facts and Opinions on Vitamin D Milk, and the relation of homogenization to curd tension and digestibility of milk. Includes a compilation of authoritative statements on these vital subjects. It is free. Write Sheffield Farms, 524 W. 57th St., New York City, or call COLUMBUS 5-8400. The book will be sent to you without obligation.

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TO THE PROFESSION
« SINCE 1885 »



SHOES TO FIT OVER
BRACES AND PLASTER
CASTS ARE CARRIED
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The Antiseptic we use is imported from Switzerland, where it has been used for this purpose only, since 1910.

Copies of Laboratory and University Tests, proving the effectiveness of our Antiseptic, will be mailed to you upon request and we respectfully solicit your opinion on this subject.

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DISCRIMINATING PHYSICIANS ARE PRESCRIBING
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DILAUDID hydrochloride offers quick relief from pain. Freely soluble. Less likely to cause nausea, constipation or drowsiness. Promptly effective when injected, or when given by mouth or rectum.

Dose - 1/48, 1/32 or 1/20 grain, hypodermically. 1/24 grain, orally or rectally.

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Dilaudid, brand of dihydromorphinone.
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5 REASONS FOR **KALAK** IN RESPIRATORY INFECTIONS

- (1) Kalak supplies balanced buffers for the neutralization of acid.
- (2) Kalak supplies fluid for the dilution and elimination of toxins.
- (3) Kalak supplies the patient with a pleasant-tasting, sparkling beverage that refreshes and relieves thirst.
- (4) Kalak aids in protecting the patient against the side effects of drugs used in treatment—salicylates, sulfanilamide, sulfapyridine.
- (5) Kalak contains no sulfates. It is not a laxative. It is mildly diuretic.

* We have prepared a booklet on the use of Buffers in enhancing the value and diminishing the side effects of certain drugs. We will send it to Doctors on request.

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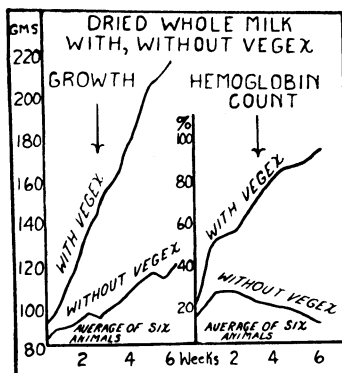


VEGEX AND WHOLE MILK

This chart from animal feeding tests (Albino rats) shows the high nutritional value of Vegex with milk. Note the difference in growth; the difference in hemoglobin count with and without Vegex.

A TEASPOONFUL TO A QUART OF MILK

Five percent of Vegex with dried whole milk—on the solids, a teaspoonful of Vegex to a quart of milk—produced these results. Milk is low in some of the vitamin B factors, in iron and in antianemic factor or factors. Vegex supplies these.



SUGGESTED USES BY PHYSICIANS

In child feeding, for the expectant and nursing mother and other adult patients, the physician will find Vegex and milk an ideal combination. Before retiring, Vegex adds to the warm drink, which sometimes induces sleep, a high amount of the B vitamins—the vitamin B complex—which frequently have a restful result.

VEGEX ALONE

Where milk is contra indicated, a scant teaspoonful of Vegex dissolved in one to two cups of hot, not boiling water is a simple, palatable and dependable way to insure the full vitamin B complex including the whole of B₁ and the whole G.

Vegex is generally easily borne by all, including post operative patients and patients on liquid diets.

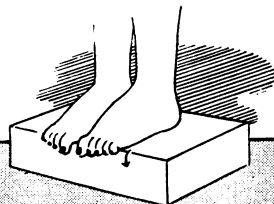
Samples for clinical or professional use will be sent on request.

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"Your Footwear Prescription Data supplies, and I apply, the complete technique of Footwear Therapy. Result—better office records on more cases," stated another well known physician to the Pediforme Professional Representative. The doctor knows the foot and body. Pediforme has its shoe construction information in concise form. The two work together. Phone or write to clear up any footwear structural question at once. Office demonstrations.



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—Pasteur

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INSULIN

... administered under proper supervision has reduced mortality from diabetic coma

Insulin Squibb—An aqueous solution of the active anti-diabetic principle obtained from pancreas. It is accurately assayed, uniformly potent, carefully purified, highly stable, and remarkably free from pigmentary impurities and proteinous reaction-producing substances. Insulin Squibb of the usual strengths is supplied in 10-cc. vials.

Protamine Zinc Insulin Squibb

—Insulin Squibb to which protamine and zinc have been added. The product is carefully assayed and conforms to the specifications of the Insulin Committee, University of Toronto.

Protamine Zinc Insulin *Squibb*, 40 and 80 units per cc., is available in 10-cc. vials.

THE VALUE of Insulin may be shown in many ways—none of which is more striking than the decline in mortality from diabetic coma. This decline is well illustrated by Dr. Joslin's experience in diabetes. "Twenty-five years ago, one out of every two deaths among his patients was due to coma, but in the past five years the proportion of such deaths has fallen to one in 16."¹ Recent statistics of the Metropolitan Life Insurance Company likewise show a reduced mortality from coma.

Although Insulin does not cure diabetes, it aids in lengthening the life span of the diabetic and enables him to lead a practically normal life. Many physicians prescribe Insulin Squibb — and the newer Protamine Zinc Insulin *Squibb*. Both are high in quality and thoroughly dependable.

¹ "Twenty-five Years of Health Progress"—Metropolitan Life Insurance Co., 1937, Page 338.

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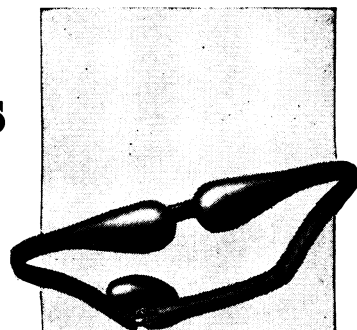
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"POMEROY FRAME TRUSS" really means the Pomeroy method of frame truss fitting. The POMEROY FRAME TRUSS holds by passive resistance rather than pressure—and the degree of resistance is always under complete control. It is light in weight and, combined with the POMEROY WATER PAD, is undoubtedly the most effective, as well as the most comfortable appliance used to maintain reduction of hernia. But to realize these advantages it is essential that the truss be carefully and accurately fitted. POMEROY FRAME TRUSSES are fitted only at POMEROY shops.

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Each Pomeroy office has a complete service available to every wearer of a Pomeroy surgical appliance, whenever and as long as such service is desired.

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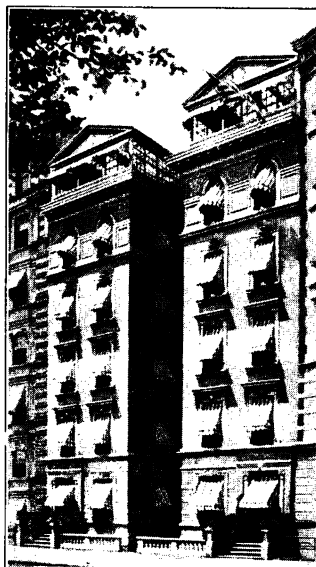
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No Mental Cases Accepted

This hospital has specialized solely in addictions for over forty years. The treatment is a hospital procedure and provides a definite means of eliminating the craving and the toxic products of alcohol and drugs. Complete department of Physical Therapy for physical rebuilding and appreciating the seriousness of the mental side of the alcoholic problem, we devote the convalescent period to minimizing the possibility of relapse.

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*Complimentary Copy "Drug and Alcoholic
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B=COMPLEX

CONTAINING 5 VITAMINS for the
TREATMENT of DEFICIENCY DISEASES

B₁ (THIAMIN CHLORIDE)—indicated in anorexia, faulty diet, childhood development, restricted diets of diabetes,¹ pregnant and lactating mothers, certain forms of neuritis, chronic alcoholism, pellagra and sprue.

B₂ (RIBOFLAVIN)—indicated in child growth, prenatal feeding, certain forms of conjunctivitis,² dermatitis, ariboflavinosis (Cheilosis),³ herpes, pellagra and sprue.

B₄—not isolated chemically—a growth factor—protective against paralysis in the white rat.

B₆ (synthesized)—cures or prevents certain types of dermatitis—performs part of the therapeutics of B complex.

NICOTINIC ACID (synthesized)—called by Spies and associates "a vitamin"—curative of lesions of the mucous membranes in pellagra—not effective in the entire pellagra syndrome. Effective in certain forms of dermatitis.

Williams and Spies⁴ show that: Even when vitamins B₁, B₂, B₆ and nicotinic acid are all combined, "It cannot fulfill the entire function of the vitamin B complex."

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and its CONCENTRATES contain all of these, with the extra therapeutic value of yeast cell salts and lipoids.

Prescribe BREWERS' YEAST in the convenient form of powder or 7½ grain blocks—6 oz.—13 oz. and 5 lb. tins.

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The crystalline vitamins B₁, B₂, B₆ and Nicotinic Acid are offered for extra dosage where wanted—convenient tablets of exact weight.

¹ Jr. A.M.A., Dec. 9, 1939, p. 2137.

² Jr. A.M.A., Nov. 4, 1939, p. 1700.

³ Sebrell, W. H., Pub. Health Report, Dec. 1939, p. 2121.

⁴ Williams, R. R. and Spies, Tom D., "Vitamin B₁", 1938, p. 132.

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Pre-operatively

KARO added to a soft diet before operation will help resist acidosis, because KARO enriches glycogen reserves, decreases post-anesthetic vomiting, stimulates the strained heart and combats shock.

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KARO added to fluids after operation helps maintain the water balance of the body and tides the patient over with basal energy. KARO is easily digested, not readily fermented and does not cloy the appetite.



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